Chapter 18. Immune System Function, Assessment, and Therapeutic Measures

1. **IgG**: provides for long-term immunity

2. **Natural killer cells** have a cytotoxic action on tumor cells

3. **Humoral immunity**: primarily involve B cells and T cells

4. **Cell-mediated immunity** involve only T lymphocytes.

5. The nurse is preparing an injection for an individual who requires passive immunity. In which of the following situations would passive immunity be indicated. To have ready-made antibodies after an exposure to pathogens

6. The nurse reviews a patient’s laboratory values for increased eosinophils in **Allergic reactions**

7. **Aspirin and steroids** are given to suppress C-reactive protein levels.

8. **Antinuclear antibody test is negative** is a diagnostic of rheumatoid arthritis.

9. **Passive natural immunity** protects newborns for the first 3 months of life as a result of maternal transmission of IgG.

10. **Western Bolt** is done to confirm the diagnosis of HIV.

11. **ELISA test** is done first in HIV testing.

12. Passive immunity is provided by **Admin of immunoglobulin**

13. **More autoimmune disorders** are more likely to occur in an older adult than in a younger adult.

14. The nurse has administered prescribed allergen injections twice a week for several weeks to an individual with a bee sting allergy. The patient misses three appointments. **Consult physician to confirm the dosage to be given.**

15. A patient who reports lower back pain is scheduled for MRI. The nurse notices a scar on the patient’s upper arm. The patient states, “Oh, I forgot all about that. I broke my arm many years ago and the doctor put some type of rod in.” What should the nurse do. **Ensure physician is notified of findings.**

16. **IgM** is produced first when an infection occurs.

18. For which of the following patients would the nurse question the use of MRI?
   - A 28-year-old woman who is 4 months pregnant and was involved in an automobile accident
   - A 41-year-old weighing 324 pounds who has a suspected abdominal mass
   - A 75-year-old who fell in the nursing home and has a bone pin in his left hip from a previous fracture repair

19. Which of the following information about maintaining a healthy immune system should the nurse recommend be included in the older patient’s teaching plan?
   - Get an influenza vaccine yearly before influenza season.
   - Get a diphtheria and tetanus booster every 10 years.
   - Avoid people with colds or other infectious illnesses.
   - Obtain vaccination against hepatitis B if infection risk is moderate to high.
20. Which of the following laboratory results would the nurse recognize as being indicative of anemia?
   - RBC = \(4.4 \times 1,012/L\) in a 31-year-old male
   - MCV = \(72/\text{mm}^3\) in a 19-year-old female
   - WBC = \(5.2 \times 10^9/L\) in a 22-year-old female

21. Which of the following are true about classes of antibodies?
   - IgA is found in breast milk.
   - IgM is found in blood and lymph drainage.
   - IgG crosses the placenta.

22. The nurse is providing care for a patient who is to start receiving immunotherapy for severe environmental allergies. Which of the following should the nurse reinforce for patient and family education?
   - “You will need to remain in the clinic for half an hour after your shot in case you have any reaction.”
   - “Reactions can occur up to 24 hours after the injection, so it is important to watch for any problems.”
   - “Small amounts of things you are allergic to are being given in the shot so your body can become less sensitive to them.”

23. A chemical, produced by cells infected with viruses, that protects surrounding cells by enabling them to resist viral replication is interferon.